

# A Complete Bibliography of Publications of John von Neumann

Nelson H. F. Beebe  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
USA

Tel: +1 801 581 5254  
FAX: +1 801 581 4148

E-mail: [beebe@math.utah.edu](mailto:beebe@math.utah.edu), [beebe@acm.org](mailto:beebe@acm.org),  
[beebe@computer.org](mailto:beebe@computer.org) (Internet)  
WWW URL: <http://www.math.utah.edu/~beebe/>

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## Abstract

This bibliography records publications of John von Neumann (1903–1957).

## Title word cross-reference

$1 + 2$  [vN51c]. **\$125** [Lup03]. **\$19.95** [Kev81].  $2,000$  [MRvN50]. **\$25.00** [Jon04]. **\$29.95** [CK12].  $2^{1/3}$  [vNT55]. **\$35.00** [Ano91, Pan92]. **\$37.50** [Ano91]. **\$45.00** [Ano91].  $e$  [MRvN50, Rei50].  $F_\infty$  [vN62].  $H$  [vN29b, von10].  $N$  [vN46b].  $\nu$  [vN62].  $p$  [DJ13].  $p = K\rho^{4/3}$  [vNxxb].  $\pi$  [MRvN50, Rei50, She12].  $q$  [DJ13].  $T_\rho^\rho = 0$  [vN35h].

**-theorem** [von10]. **-Theorems** [vN29b].

$/$  [CK12]. **/119.00** [Emc02]. **/89.00** [Emc02].

**0** [Lup03, Rec07]. **0-19-286162-X** [Twe93]. **0-201-50814-1** [Ano91].  
**0-262-01121-2** [Ano91, Bow92]. **0-262-12146-8** [Ano91]. **0-262-16123-0**  
 [Ano91]. **0-521-52094-0** [Jon04]. **0-7923-6812-6** [Emc02, Lup03].  
**0-8218-3776-1** [Rec07].

**1** [GvN47b, GvN47c, GvN47d, Rec07, vNW28a]. **10/18/51** [McC83]. **12th**  
 [Var88, Wah96]. **1900s** [IM95]. **1927** [Has10a]. **1940s** [IM09a]. **1942-1952**  
 [Fit13]. **1946** [vN57b]. **1949** [Ano51]. **1950s** [IM09a, Mah11]. **1954** [Réd99].  
**1957** [Ano57c, OPP58, Tel57, Wig57, Wig67a, Wig67c, Wig80]. **1981** [Bir83].  
**1982** [TWA<sup>+</sup>87]. **1988** [B<sup>+</sup>89, GIS90, Var88]. **1989** [B<sup>+</sup>89, RMK94].  
**1989/90** [B<sup>+</sup>89]. **1990** [CW91]. **1992** [Bir97]. **1997** [Ano97]. **1999**  
 [E<sup>+</sup>00, Fro00]. **1R** [Har67].

**2** [GvN47e, GvN47f, GvN47g, vNW28b]. **20th** [CW91, Cin85, Kör99].  
**20th-Century** [Cin85]. **25th** [Ano97, Tót93]. **28** [B<sup>+</sup>89, Tel57].  
**28.September** [B<sup>+</sup>89].

**3** [vNW28c]. **31.50** [Bow92]. **37** [Has10b].

**4** [B<sup>+</sup>89, Har67]. **4/67** [Har67]. **4/67-1R** [Har67]. **423pp** [CK12].

**6** [Lup03]. **6.25** [Ran74]. **67-1R** [Har67].

**80th** [Sze83b].

**'94** [BR94].

**=** [Har89a, Har89b].

**A.** [Fie15]. **A.E.C.** [Ano57a]. **Abbildungen** [vN32a]. **Abelian** [vN40b].  
**abstract** [Mat03]. **abzählbar** [vN28c]. **Academic** [Emc02, Lup03, B<sup>+</sup>89].  
**Accomplish** [Mir92]. **accomplishments** [Bre04]. **Accounting** [Tod74].  
**accumulation** [AFB79]. **Accuracy** [Neu33]. **ACM** [Ano91, Ano87]. **acting**  
 [CvN44a, CvN44b]. **Activity** [IM09a]. **Adaptive** [Hol62]. **adatok** [Nag87b].  
**Addison** [Ano91]. **Addison-Wesley** [Ano91]. **Addition** [vN29i]. **Additions**  
 [vN32i]. **address** [Réd99]. **Adiabatic** [vNW29a]. **adiabatischen** [vNW29a].  
**Adjoint** [vN32e, vN32f, DNvN55]. **adjungierte** [vN32e, vN32f]. **Advanced**  
 [Asp87, Mit80, Reg87]. **adventurous** [ABES12]. **Aerodynamical**  
 [vN10, vN51d]. **aerodynamics** [Ano51]. **African** [CFK<sup>+</sup>91]. **after** [Ano93].  
**Age** [CW91]. **Agencies** [Ano57a]. **ago**  
 [Ano95, Bal04, Csá03, Kov03b, Szé78, Sze97, Zád83]. **agy**  
 [Neu64, Neu72, Neu06]. **agyról** [Érd85]. **agyú** [Sze76]. **aiming** [vN41a].  
**akademische** [B<sup>+</sup>89]. **Akik** [Kör99]. **al** [CFK<sup>+</sup>91]. **al-Khwarizmi**  
 [CFK<sup>+</sup>91]. **Alakja** [Bal04]. **Alamos**

[Fit99, Fit13, Lax03, HPR14a, Lax03, Lax05]. **Alamos-i** [Lax03]. **Alan** [Lie11, Ano96, Asp80, IM13, Lie11, Müh09, Ran72]. **alapelvének** [Kov03b]. **Algebra** [Bac78, Bac87, vN29f, ABS96, Réd59, vNS35]. **Algebraic** [vN37a, JvNW34, vN36d, vN31a]. **algebraical** [vN43b]. **Algebraically** [vN28e]. **algebraisch** [vN28e]. **Algebraische** [vN31a]. **algebras** [Ara90, DK04, Kad58]. **Algorithm** [Fer99, JML13, Dya71, FR96, iP13]. **Algorithms** [Knu97]. **alkalmazó** [Sze03a]. **alla** [Ven02]. **Allgemeine** [Tur60a, vN51e, vN28a, vN29a]. **allgemeinen** [vN28h, vN29g, vN29i]. **Almost** [BvN35a, BvN35b, Tau61b, vN34a, vN34b, vNW40]. **általános** [Von90b, vN26a]. **am** [B<sup>+</sup>89]. **America** [Jon04, FB69]. **American** [Ame52, Rec07, Nor98]. **Amplification** [vN53c]. **Amplifying** [vN59a, vN54b]. **AMS** [DK04]. **Amsterdam** [Réd99]. **analizu** [vN87]. **analógia** [Érd85]. **Analogie** [Cso04]. **analogue** [Dya71]. **analogy** [Cso04, Érd85]. **Analysis** [Grc11, Grc12, JML13, Tau63b, Wil71, Asp89c, LY13, vN44b, vN87]. **Analytic** [vN29c, vN33, KvN37]. **analytischen** [vN29c]. **analytischer** [vN33]. **Analyzing** [HKLS93]. **Andrew** [WS92, WS03]. **Anecdotes** [TWA<sup>+</sup>87]. **Anhang** [Tur60a]. **Animal** [vN49a]. **anläßlich** [B<sup>+</sup>89]. **anlässlich** [B<sup>+</sup>89]. **Anniversary** [CFK<sup>+</sup>91, Sze83b, Tót93]. **annual** [Ano88, JC87, Wei92]. **Answering** [HKLS93]. **Appendix** [Asp83, vN41a, Tur60a]. **Apple** [CW91]. **Application** [Kat60, TWA<sup>+</sup>87]. **Applications** [BR94, vN32c, vN52a]. **Applied** [Ali09, Fro00, Kah97, Día05, Stö04]. **appraisal** [Asp83, Ste81]. **approach** [LY13]. **Approximative** [vN42a]. **aranycsinálója** [Sze83c]. **Arbeit** [vN29i, vN31b, vN32i]. **Architect** [Ano57a, Kov03b]. **architecture** [Cer00]. **architectures** [RH00]. **arising** [CvN42, CvN43, CvN44a, CvN44b]. **arithmetics** [vN37c]. **Arthur** [All87, Har67]. **Article** [vN93a]. **Artificial** [Cso04, Wah96, Mar98]. **Ascent** [Bro73a, CW91]. **Asimov** [CFK<sup>+</sup>91]. **Aspects** [GvN47a]. **Aspray** [All87, Ano91, Bow92, Ham92, CFK<sup>+</sup>91, CW91, Mah93, Pan92]. **assignment** [vN53a]. **Association** [Ano91, Jon04]. **assuming** [vNxxb]. **astronomy** [FF91]. **Astrophysics** [Tau63c]. **Atanasoff** [Ano96, Smi10]. **Atomic** [vN46a, vN57b, vN55b, vN55c]. **áttekintés** [Döm03]. **áttekintése** [SI<sup>+</sup>79]. **atyja** [Kov84]. **Aufbau** [vN27c]. **August** [Ano51, BR94, Fro00, Var88, Wah96]. **Ausbildung** [B<sup>+</sup>89]. **Ausführungen** [vN31b]. **Ausnutzung** [vN54a]. **Australian** [CFK<sup>+</sup>91]. **authorship** [Fie15]. **Automata** [Bur70, SM56, Tau63b, Tur60a, vN41c, vNB66, vN96d, Sha58, Tar72, Vol06, vN51g, vN63b, vN71b, Asp90b, CFK<sup>+</sup>91, Har67]. **Automaten** [Tur60a]. **automates** [vN96d]. **Automaton** [Bur61]. **avenue** [Ném93]. **Averages** [HKLS93]. **Averaging** [HKLS93]. **avtomatov** [Tur60a, vN71b]. **award** [B<sup>+</sup>89, Ano57a, Ano87, Fie15]. **axiom** [Ben72]. **Axiomatic** [vN29d, Haj59]. **axiomatikus** [vN26a]. **axiomatischen** [vN29d]. **Axiomatisierung** [vN25b, vN28b]. **Axiomatization** [vN28b, vN25b, von97]. **Axiomatizations** [Lac00]. **Azarya** [GC97].

**Babbage** [Ano91, CW91]. **Back** [CW91]. **Baleful** [Kah97]. **Baltimore** [DK04]. **barotropic** [CFvN50]. **Barry** [CW91]. **Basics** [CW91]. **Basis** [vN27a, vN31d]. **Bateson** [Hei77]. **Be** [Bac78, Bac87]. **Beautiful** [Mor02]. **became** [Ném93]. **Become** [Kov84]. **Bedford** [Asp83]. **Before** [CFK<sup>+</sup>91, vN46a, vN57b]. **Beginning** [CLBdB89]. **Beginnings** [Sma83]. **Begründung** [vN27a]. **Behavior** [Ano57a, vNW29a, vNM44, vNM47, vNM53b, vNM61, vNM64, vNM67a, vNM67b, vNM73, vNM74, vNM04, Jef51, vNM53a, vNM70, vNM80, vNM07, Ebe67, Haw45, Hur48, Rel92]. **Behaviour** [K.44]. **Believe** [Bec04]. **Believes** [Gra56]. **Bell** [Sch91, Ali09]. **Bells** [Sch91]. **Bemerkungen** [vN28f, vN31b]. **Benchmarks** [Kah97]. **Berlin** [Has10b, Has10a, Ano30, Has10a]. **Best** [vN48b]. **Bets** [HPR14a]. **between** [DD13, GM04, Rel92]. **bev** [Kor86]. **Beweis** [vN29b]. **Beweise** [vN29e]. **Beweistheorie** [vN27d]. **Beweistheorie** [vN31b]. **Beyond** [IM09a]. **Bibliography** [Asp83]. **Bicentenary** [CFK<sup>+</sup>91]. **Biographies** [Ula82b, Wei88]. **Biography** [Von88, Wig80, Wig96a, CFK<sup>+</sup>91, Smi10]. **biológija** [Ven03]. **Biological** [Ano97]. **biology** [HD13, Ven03]. **Birkhoff** [Ven02, Zun02]. **birth** [Ano93, Sze83b]. **Birthday** [Grc05]. **bis** [vN31a]. **Bits** [Per92]. **Blast** [BFvN<sup>+</sup>44, BFH<sup>+</sup>47, GvN55, PPvNF44]. **body** [KvN97]. **Bohm** [Pin77]. **Bomb** [Ano57a, Lan93a, Twe93, Gol84, Pou93, Pou03]. **Bombe** [CFK<sup>+</sup>91, Pou03]. **Bombs** [DK41]. **Book** [All87, Asp83, Bir83, Bir97, Bow92, Cor11, Dic03, Dys81, Ebe67, Emc02, God74, Har67, Haw45, HB82, Hod81, Jon04, K.44, Kev81, Lup03, Mah93, Pan92, Ran74, Rec07, Sto83, Tau60, Tro76, Twe93, vN49a, vH67]. **Books** [CK12, Hal85]. **Boolean** [vNS35]. **Borel** [Del95, vN53b]. **Born** [Kov94, Kov03b, Szé78, Zád83]. **Boston** [Emc02]. **boundaries** [Fie15]. **Boundary** [FvN51]. **Brain** [Ano57a, BH89, Fre13, Neu64, Neu72, Neu06, vN58a, vN60b, vN65, vN93a, vNCC00, Bro73b, Érd85, PA13, Ula58b, vN70, vN80, vN86, vN91a, vN91b, PA13, Tau60]. **Brains** [IM13]. **breaking** [Sip05, Sze76]. **brief** [CFK<sup>+</sup>91]. **brilliant** [Kov03a]. **brother** [Neu03, Von87, Von91]. **brothers** [Fil03]. **Brouwer** [vN37f]. **Brouwerschen** [vN37f]. **Budapest** [RS01b, Var88, Wah96]. **Building** [Emc97]. **Built** [Ano57a]. **bulk** [vN96c]. **Burks** [Har67, All87]. **Burning** [CEE<sup>+</sup>51]. **burst** [vNR57]. **Business** [CFK<sup>+</sup>91, CW91]. **Byte** [CFK<sup>+</sup>91].

**C** [CW91, Sel92]. **C.** [Bre08, vN52a]. **calculated** [MRvN50]. **Calculating** [Ake07, CFK<sup>+</sup>91]. **Calculation** [CW91, GvN55, vN48a, vN48d, vNR50]. **calculator** [Érd85]. **Calculus** [vN30]. **Cambridge** [Ano91, ABS96, Bir83, Bow92, CFK<sup>+</sup>91, Jon04, Kev81]. **came** [Bal04, Csá03]. **Campbell** [CFK<sup>+</sup>91]. **Campbell-Kelly** [CFK<sup>+</sup>91]. **Can** [Bac78, Bac87, Gra56, vN55a, Tur60a, TvN99]. **cannot** [Neu89b]. **Capacitance** [vN59a, vN54b]. **Card** [CW91]. **Career** [Lan89]. **Carlo** [Dys12a, Eck87, HPR14a, JML13]. **Case** [Asp89a, Dal01, NAH<sup>+</sup>89, Ven02]. **Case-Study** [NAH<sup>+</sup>89]. **Caso** [Ven02]. **Catastrophe** [Leo06]. **Cathedral** [CK12, Dys12c]. **causality** [GL01]. **celebration** [DK04]. **Cells** [vN61b].

**Cellular** [Bur61, Bur70, Vol06]. **Centenario** [Pel03]. **Centenary** [Pel03].  
**Centennial** [Grc05, DK04]. **Center** [Ano88, Joh86]. **Centre** [E<sup>+</sup>00].  
**Century** [CW91, Cor11, Bal12, Brü87, Har06b, Her88, Her95, Cin85, IM01, IM09b, Kőr99, MHR80]. **Cerebral** [Jef51]. **Certain**  
 [vN39, FvN22, vN36c, vN53a, vN58b]. **Chain** [JML13]. **challenges** [Fro00].  
**Change** [CLBdB89]. **changed** [Har06b, Mar06]. **changing** [Nat88].  
**Character** [LvN47]. **Characteristics** [vN29c]. **Characterization**  
 [vN61a, vN35b]. **Charakterisierung** [vN35b]. **Charles** [Ano91, CW91].  
**Charts** [Kev81]. **Checking** [McC83]. **chemical** [vN55c]. **Chemistry**  
 [Kah97]. **Chess** [Leo06, Leo10]. **Chips** [CLBdB89]. **chromodynamics**  
 [Fro00]. **científico** [IM01]. **Circle** [Lup03]. **Circuit** [CW91]. **Circulation**  
 [Sma83]. **Clarifying** [DD13]. **classes** [vNS35]. **Classic** [vN93a]. **Classical**  
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 [Fie15, Ano91, Göt03]. **Co-authorship** [Fie15]. **co-operation** [Göt03].  
**co-published** [Ano91]. **Co.** [CFK<sup>+</sup>91]. **Code** [HPR14b]. **Coding** [TWA<sup>+</sup>87,  
 GvN47b, GvN47e, GvN47c, GvN47f, GvN47d, GvN47g, vNG48a, vNG48b].  
**Cold** [Ake07, Bre04]. **COLING** [Var88]. **Collaboration**  
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 [Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c, Wig96c]. **Collection**  
 [MHR80]. **College** [B<sup>+</sup>89, RMK94]. **collision** [vNS43]. **collisions** [WvN54].  
**colloquium** [B<sup>+</sup>89]. **Combination** [vN47e]. **combinations** [UvN47b].  
**come** [IM95, IM08]. **Commemoration** [BH89]. **Commentary** [Gol84].  
**Comments** [Bre08, SW80, vN31b]. **Committee** [vN46a, vN57b].  
**Communicate** [Pin77]. **Communication** [vN49a, vN53b]. **community**  
 [Ins12, Mit80]. **commutative** [DK04]. **como** [IM01]. **compact** [BvN35c].  
**Comparing** [Khr08]. **Comparison** [Sch91, vN61b, For72a, For72b, Lie11].  
**compendium** [vNBV95]. **complementary** [KvN97]. **Complemented**  
 [vNH37]. **complete** [vN35c, vN35d]. **complex** [Veb37, VG55]. **Components**  
 [vN56b, vN63c]. **Computation** [Ste74]. **Computational**  
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**computer-minded** [Sze76]. **Computer-Research** [Mac94].  
**Computerforschung** [Mac94]. **Computerforschung-Facetten** [Mac94].  
**Computers** [Ano91, CLBdB89, E<sup>+</sup>00, IM13, Kov84, Lie11, Ran82, Tau63b,  
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**Concavity** [GM04]. **concentrate** [Ano30]. **Concept**

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**concerning** [Tar58, vN42b, vN52a]. **Condition** [Kat60, FvN22].

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[vN36a, vN37b, vN37c, vN52b, vN60a, vNH81, vN98, Hal85, KvN32, vN27e, vN36b, vN37a, vN58b, Tau62]. **Contradiction** [vN29d]. **Contribution**

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[SvN46a, SvN48a, SvN46b, SvN48b]. **Cross-Space**

[SvN46a, SvN48a, SvN46b, SvN48b]. **Crossley** [CFK<sup>+</sup>91]. **crossroads**

[ET07]. **csodálatos** [Mor02]. **cuántica** [vN49b, vN91c]. **Cybernetics**

[Kay97, vN49a].

**d** [Cso04, CEE<sup>+</sup>51]. **Darstellungen** [vN27e, vN29c]. **data** [Nag87b].

**daughter** [vNW12]. **David** [Zun02, Pin77]. **Day** [Ano97]. **Days** [Gol87a].

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**December** [Tel57]. **Decimal** [Rei50, MRvN50]. **decisions** [Str63a]. **Defense** [vN55b]. **defined** [KvN37]. **Definition** [vN28h]. **Degeneracy**

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**Deterministic** [vN47e, UvN47b]. **Deterrence** [Mac92a, Mac92b, Mac99b].

**detonation** [vN42c, vN44a, vN48c]. **Detroit** [Ame52]. **Deutschen** [vN49c].

**Deutschland** [Has10b, Has10a]. **Development**

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**dichte** [vN25a]. **Did** [Bec04, Kov84, Réd96]. **died** [Sze97]. **dies** [Ano57a].

**Difference** [Ano91, CW91, Har42, LY13, vN41b, vNKBH41, vN42b].

**differences** [vNK40]. **Different** [Kje01]. **Differential** [Fri80, vN51c, ABS96, BvN35c, BvN50, vNR47a, vN59b]. **Diffusion** [CW91, RvN85, URvN47, vNR47b]. **Digital** [Asp83, CK12, Isa14, LR67, Ran82, SW80, Ste80, Dys12c, Ran72, Smi10]. **Digits** [For51, MRvN50, vN51b, vN63d]. **Dilemma** [Twe93, Pou93, Pou03]. **dilemme** [Pou03]. **Dimensional** [BMvN<sup>+</sup>59, vN44c]. **Dimensions** [Ano51]. **Dirac** [Neu33, Mar65, Neu33, TVvN34, vN28f, vN40a]. **Dirac-féle** [Neu33]. **Diracschen** [Neu33, vN28f]. **direct** [vN38]. **disciplinary** [Fie15]. **discontinuities** [vN44c]. **discoverers** [Nat88, CLBdB89]. **Discovery** [Cin85, Rob12]. **Discrete** [B<sup>+</sup>89, vNW29b]. **Discussion** [Asp89a, BGvN82, NAH<sup>+</sup>89, vN40a, vN51d, vN52a, vN63a, vN74, vN10, BGvN46]. **Disequilibrium** [vN53c]. **Diskrete** [B<sup>+</sup>89, vNW29b]. **distance** [CvN44a]. **Distributed** [CDJ84]. **Distribution** [Coo57, vN41b, CvN42, CvN43, CvN44a, CvN44b, Dya71, vN42b]. **distributions** [FR96, For72a, For72b]. **Divergences** [Del95]. **Divisions** [Pin77]. **Do** [Pin77]. **documentary** [NPP66]. **documents** [Nag87a]. **Does** [LR67, Pin77]. **Dokumentumok** [Nag87a]. **domains** [Veb37, VG55]. **domestic** [Frö93, Lad93]. **Dominio** [IG02]. **Dominion** [IG02]. **Donald** [CFK<sup>+</sup>91]. **Dordrecht** [Emc02, Lup03]. **Dr.** [Ano57a]. **Draft** [Asp83, vN45a, vN82, vN93b]. **Drafting** [SW80]. **Drehelektrons** [vNW28a, vNW28b, vNW28c, vN28f]. **durch** [vN28h]. **during** [Ame52, Ake07]. **Dynamical** [KvN32, CvN43, RW12]. **Dynamics** [E<sup>+</sup>00]. **Dyson** [CK12]. **Dzhon** [Dan90].

**Early** [Ano91, CW91, Gol87a, Lac00, Lax05, Sma83, Lax03]. **ECAI** [Wah96]. **eccentricity** [Reg87]. **Eckert** [Asp83, Ano96, Ste81]. **Economic** [Ano57a, Ebe67, Haw45, Hur48, K.44, vNM44, vNM47, vNM53b, vNM61, vNM64, vNM67a, vNM67b, vNM73, vNM74, vNM04, Rel92, vN45b, vNM53a, vNM70, vNM80, vNM07]. **Economics** [GM04, Laf89, Sam92, vN37f, DCG89, KT58, Zal03, vN56a]. **economy** [Wei92, vN56a]. **Ed** [Rec07]. **Eden** [CW91]. **Edge** [Gal93]. **Edited** [Emc02]. **edition** [Twe93]. **Editor** [Har67, Ano91, WE14]. **Eds** [Lup03, Dic03]. **EDVAC** [Asp83, SW80, vN45a, vN82, vN93b]. **Edvard** [Ano91, CW91]. **Edward** [Hor97]. **Effect** [Kah97, vNR57]. **Egyenletesen** [vN25a]. **egyik** [Cze08]. **Eigenschaften** [vNW28a, vNW28b, vNW28c, vN29c]. **Eigenvalue** [vN28a, vNW28a, vNW28b, vNW28c, vN29a, vN28d]. **Eigenvalues** [vNW29b, vNW29a]. **Eigenwerte** [vNW29b]. **Eigenwerten** [vNW29a]. **Eigenwerteproblem** [vN28d]. **Eigenwerttheorie** [vN28a, vN29a]. **Eindeutigkeit** [vN31c]. **einem** [Tur60a]. **Einführung** [vN23, vN33]. **Einige** [vN28f, vN32a]. **einiger** [vNW28a, vNW28b, vNW28c]. **Einstein** [Khr08, Reg87, vN35h]. **Einweihung** [B<sup>+</sup>89]. **Eisler** [CW91]. **Ekman** [KvNS63]. **Electron** [Neu33, vN28f, vNW28a, vNW28b, vNW28c]. **Electronic** [Ano57a, BGvN82, GvN47a, LR67, SW80, Ste80, BGvN46, GvN47b, GvN47e,

GvN47c, GvN47f, GvN47d, GvN47g, Tar58, vNG48a, vNG48b].  
**elefántcsonttoronyban** [Neu89b]. **elektron** [Neu33]. **Elektrons** [Neu33].  
**Elements** [Fit99, Fit13, vNS35]. **elért** [SI<sup>+</sup>79]. **élete** [Kov03c, Sze76, SI<sup>+</sup>79].  
**életéből** [MS73]. **életének** [Szé88, Szé03b]. **életútjáról** [Döm03]. **élhet**  
[Neu89b]. **Elimination** [GvN47h, Grc11, Grc12]. **Elizabeth** [Kor86]. **elme**  
[Mor02]. **elméletében** [Neu33]. **els** [Szé88]. **also** [Sze03a, Szé03b]. **ember**  
[Sze76]. **emberi** [Von90b]. **embodies** [Cze08]. **Emergence** [Kay97, MJ09].  
**Emerson** [Ano91]. **Eminent** [Ano57a]. **Emlékeim** [Neu03]. **emlékek**  
[Ném84]. **emlékezete** [Kov03b, Pal87]. **Emlekkepek** [Kov87a]. **Emulator**  
[Bru07, FS11]. **Encyclopedia** [CFK<sup>+</sup>91, Cra98]. **End** [CW91]. **Energy**  
[Seg85, vN57b, vN55c, vN46a]. **Engineering** [HPR14b]. **engineers**  
[Ake07, Ano96]. **Engines** [Ano91, CW91, Shu84a, Shu85a, Shu96a]. **Eniac**  
[Asp83, HPR14a, HPR14b, McC01, MRvN50, Rei50, She12, Ste81]. **Enough**  
[CFK<sup>+</sup>91]. **Entire** [vNxxb]. **entropies** [DD13]. **Entropy**  
[Hen03, Pet01, ABS11]. **Entwicklung** [vN54a]. **epic** [Rob12]. **Epistemology**  
[Dal01]. **Equation** [vN37f, vN40a, vN51c, CFvN50, LY13, TVvN34, vN59b].  
**Equations** [Fri80, vN35h, vN10, ABS96, BvN35c, BvN50, vNR47a, vN51d].  
**equilibrium** [vN45b]. **equivalent** [vN53a]. **eredményeinek** [SI<sup>+</sup>79].  
**Erfinder** [Lie11]. **Ergodensatzes** [vN29b]. **Ergodic**  
[Tau61b, vN29b, vNU45, Hal58, Zun02, vN32c, vN32d, von10]. **Erhard**  
[Bau98]. **Erklärung** [vNW28a, vNW28b, vNW28c]. **Erratum** [Has10b].  
**Error** [Wil71, vNK40]. **Errors** [DK41]. **Erzsébet** [Kor86]. **escape** [Mar06].  
**Essays** [ADS83, Bur70, MHR80, GC97, Sel92, Wig67b]. **Establishment**  
[Cob72]. **Estimates** [GvN47h]. **Estimation** [Kat60, vNK40]. **Euclidean**  
[LovN47]. **Eugene** [Hor97, WS92, Wig96c, WS03]. **Euler** [Jon04, Jam02].  
**EUR** [Emc02]. **Europe** [FB69]. **European** [Wah96]. **éve**  
[Ano93, Bal04, Csá03, Kov03b, Szé78, Sze97, Zád83]. **évei** [Lax03]. **évek**  
[Lax03]. **Ever** [Fra05]. **éves** [Sip05]. **évfordulóján** [Sze83b]. **evolution**  
[Shu96a, Von90a]. **évvel** [Ano95]. **Exact** [iP13]. **example** [Asp89c].  
**Examples** [BN71, vN36b]. **Executive** [Döm03]. **Exiles** [Fra05]. **Existence**  
[vN10, vN51d]. **Expansion** [vNT55]. **expected** [ABS11]. **experiments**  
[vNT45]. **Explanation** [vNW28a, vNW28b, vNW28c]. **exponential**  
[FR96, Fer99, Wal96]. **Exposition** [Ame52]. **Extension** [KvNS63].  
**Extensions** [Mon79]. **Extracting** [Per92]. **extraordinary** [Hal90]. **ezelott**  
[Ano95].

**Facets** [Mac94]. **Facetten** [Mac94]. **Factors** [vN61a]. **faculty** [Mit80].  
**Failing** [Pin77]. **Failure** [Ano91, CW91]. **famous** [Ném93]. **Fasori** [Ném93].  
**Fast** [FR96, Wal96]. **Father** [Bre04, CFK<sup>+</sup>91, Kov84, von05, Mar98]. **Fauvel**  
[CFK<sup>+</sup>91]. **Feb** [Wig80]. **February** [E<sup>+</sup>00, Tel57]. **fegyverek**  
[Jék03a, Jék03b]. **Fejér** [Szé88, Szé03b, Szé03b]. **félé** [Neu33]. **felel** [Neu90].  
**felépítése** [vN26a]. **félideje** [Szé88, Szé03b]. **Fermi** [Ano57a].  
**Festkolloquiums** [B<sup>+</sup>89]. **Few** [CLBdB89]. **fiatal** [Frö93, Lad93]. **fiction**  
[Cas03]. **Field**



[Gol83, CvN42, CvN43, CvN44a, CvN44b, Sze83a, Sze87, vN35h]. **Fields** [Ano57a]. **Fifteenth** [CFK<sup>+</sup>91]. **Finite** [vN42a, CvN44a, LY13]. **First** [Asp83, Knu70, SW80, vN45a, vN48a, vN82, vN93b, Ano87, McC01, MRvN50, PA13, RH00, Sze03a, Sze88, Sze03b]. **Five** [vN52b, Har06b]. **Fixed** [vN37f, B<sup>+</sup>89]. **Fixed-Point** [vN37f]. **Fixpunktsatzes** [vN37f]. **fizika** [Ano93]. **fizikus** [Sze03a]. **Flagellar** [Lig76]. **fled** [Mar06]. **Floating** [Ste74]. **Flow** [vN48a, vN48d, CF48]. **fluctuations** [CvN42, CvN43]. **Fluid** [vN35h]. **Flying** [vNT45]. **fon** [Dan90]. **fondements** [vN47b]. **fontos** [Kov03b]. **Footnote** [Gol60]. **footsteps** [Érd85]. **force** [CvN44b]. **forces** [CvN44a]. **Foreword** [Kal13]. **Formal** [vN31d]. **formalism** [JvNW34, Réd96, vN36d]. **formalistische** [vN31d]. **Formative** [Von89, Von90a]. **Forms** [vN29e]. **Formulae** [Coo57]. **Formulation** [Mar65]. **Forschung** [B<sup>+</sup>89]. **Forschungsinstitut** [B<sup>+</sup>89]. **Forschungskollegs** [B<sup>+</sup>89]. **forty** [Sze97]. **foundation** [Mat03]. **Foundational** [For10]. **Foundations** [Dic03, Emc97, Emc02, HvNN27, Mur04, vN32b, vN47b, vN49c, vN55d, vN64, vN67, vN68, vN71a, vN96b, Ben03, DJ13, Lup03, RS01b, RS01a, vN49b, vN91c, vN96a]. **Founders** [ADS83]. **founding** [Mar98]. **Four** [Lan93b, Lan99, Lan11]. **Fourier** [vNS39, vNS41]. **Fraction** [vNT55]. **Fragen** [vN28h]. **France** [CW91]. **Freedom** [Ano57a]. **Frege** [vH67]. **French** [Ano96, Pou03, vN28g, vN47b, vN96d]. **Frenkel** [CFK<sup>+</sup>91]. **friction** [CvN43, KvN97]. **Friedrich** [Has10b, Has10a, ABES12, Has10a]. **Friedrich-Wilhelms-Universität** [Has10b, Has10a]. **Frobenius** [DH55]. **Fuchs** [Ber10]. **Fuller** [CFK<sup>+</sup>91]. **Functional** [Bac78, Bac87, vN28a, vN29a, vN29f, vN31e, vN32e, vN32f, vN35a, vN51a, vN87]. **Functionaloperatoren** [vN28d]. **Functions** [Hei77, Tau61b, vN31a, vN31e, vN34a, BvN35a, BvN35b, vN34b]. **Fundamentos** [vN49b, vN91c]. **Fungus** [CW91]. **Funktionaloperatoren** [vN29f, vN28a, vN29a, vN31e, vN32e, vN32f]. **Funktionen** [vN31a, vN31e]. **funktional'nomu** [vN87]. **further** [vN42b]. **Fusion** [MJ09]. **Future** [vN47a, vN51f].

## G [Ano91]. gallery [Pai00]. Game

[Cor11, DH55, IM09b, Kal13, Leo06, Mac92a, Mac92b, Sim03, Twe93, vN48b, Del95, IM95, IM01, IM08, Leo10, Mac99b, Pou93, Pou03, Wei92, vN53a].

## Games

[Ebe67, Haw45, Hur48, K.44, Kap95, Tau63c, vN28i, vN28g, vNM44, vN46b, vNM47, vNM53b, vNM61, vNM64, vNM67a, vNM67b, vNM73, vNM74, vNM04, Bar59, BvN50, KT58, Rel92, vNM53a, vNM70, vNM80, vNM07].

**Garden** [Dys13]. **Gas** [vN35f]. **Gas-Degeneracy** [vN35f]. **Gaseous** [Ano51]. **gauge** [FKC86]. **Gaussian** [Grc11, Grc12]. **GBP** [Emc02]. **Gebiet** [Sze83a]. **Geeks** [Isa14]. **Gehirn** [vN60b, vN65, vN70, vN80, vN86, vN91b].

**Genauigkeit** [Neu33]. **General** [Sma83, vN28h, vN29g, vN29i, vN41c, vN46b, vN51e, vN66, vN96d, vN45b, vN51g, vN63b, Tur60a, vN28a, vN29a]. **générale** [vN96d]. **Generalization** [vN37f, JvNW34, vN36d]. **Generalized**

[FKC86]. **generating** [Mon79]. **generation** [iP13]. **Generator** [JK99].  
**Generators** [Bre08, Gal93, Wal96]. **Genese** [CW91]. **Genesis**  
[Leo06, Del95]. **Geneva** [Yor87]. **Genies** [Mac94]. **Genius** [Kov03d, Mac92a,  
Mac92b, Mac94, Ano03, Bal12, Cze08, Kar04, Mac99b, Pai00, Reg87].  
**Geniuses** [Isa14, Lan93a, Mac72, Mac86]. **Geometries**  
[vN37b, vN36b, vN37a, vNH81]. **Geometry** [CEE<sup>+</sup>51, Tau62, Veb37, VG55,  
vNS39, vN52b, DK04, Hal85, vN36a, vNS41, vN51a, vN60a, vN98]. **Georg**  
[ABES12]. **George** [CK12, Zun02]. **Gerdas** [CFK<sup>+</sup>91]. **German**  
[Bau82, B<sup>+</sup>89, Cso04, FvN22, Has10a, HvNN27, LS83, Lie11, Mac94, Neu33,  
Rév83, Sch91, Sze83a, Tur60a, vN23, vN25b, vN25a, vN26b, vN27d, vN27a,  
vN27e, vN27b, vN27c, vN28a, vN28b, vN28h, vN28f, vNW28a, vNW28b,  
vNW28c, vN28d, vN28e, vN28i, vN28c, vN29c, vN29a, vN29f, vN29g, vN29b,  
vN29e, vNW29b, vN29h, vNW29a, vN29d, vN29i, vN30, vN31a, vN31b, vN31c,  
vN31e, vN31d, vN32e, vN32f, vN32a, vN32b, vN32h, vN32g, vN32i, vN33,  
vN34c, vN35b, vN37f, vN49c, vN51e, vN54a, vN60b, vNM61, vN65, vN67,  
vNM67a, vN68, vN70, vN71a, vNM73, vN80, vN86, vN91b, vN96a, vN96b].  
**Germany** [BR94, E<sup>+</sup>00, Has10a]. **Gesamtheiten** [vN27b].  
**Gesellschaftsspiele** [vN28i]. **gewisser** [FvN22]. **Giants** [FS12]. **gifted**  
[Kov03a]. **Gimnáziumtól** [Ném93]. **gioco** [IM95, IM08]. **given** [Ano91].  
**Gleichmässig** [vN25a]. **Gleichungssystem** [vN37f]. **glimpse** [Stö07].  
**Glory** [CW91, Ano91]. **Go** [Fra05]. **Gödel**  
[Bre99, CR03, Har89a, Har89b, vH67, vN51h]. **Goldstine**  
[Ran74, God74, Tro76]. **Good** [CLBdB89]. **got** [Reg87]. **Government**  
[Ano57a, CW91]. **gradient** [KvNS63]. **Grain** [vN52a]. **Grammar** [Ném93].  
**grands** [Ano96]. **Graphics** [SvNG89]. **Grass** [vN13]. **Grasshopper** [vN13].  
**gravitational** [CvN42, CvN43, CvN44a, CvN44b]. **Great**  
[Bla57, Lap96, Mar06, Ano96]. **Gregory** [Hei77]. **Grenzen** [Neu33]. **ground**  
[Sip05, Sze76]. **ground-breaking** [Sip05, Sze76]. **Group**  
[Isa14, Tau61b, UvN47a, vN34a, vN34b]. **Groups**  
[vN29c, vN33, vN39, vN40b, BvN35a, BvN35b, SvN50, vN27e, vN34c, vNW40].  
**Grundlagen**  
[HvNN27, vN32b, vN49c, vN64, vN67, vN68, vN71a, vN96a, vN96b, Kri95].  
**Grundlegung** [vN31d]. **Gruppen** [vN29c, vN27e, vN33, vN34c].

**H** [Ano91, DK04, God74, Ran74, Tro76, vN32g, Ano57a]. **H-Bomb** [Ano57a].  
**Haar** [vN34c, vN36g]. **Haarschen** [vN34c]. **Habilitation** [Has10b, Has10a].  
**Hackers** [Isa14]. **hagyatékából** [Szé88, Szé03b]. **hagytak** [Kör99]. **half**  
[Her88, Her95, Szé88, Szé03b]. **half-century** [Her88, Her95]. **Hall** [CW91].  
**halmazelmélet** [vN26a]. **halt** [Sze97]. **Hamburg** [BR94]. **hardcover**  
[CK12, Emc02]. **Három** [Frö93, Lad93]. **Harsanyi** [Sel92]. **határai** [Neu33].  
**Hatvan** [Sip05]. **hazai** [Frö93, Lad93]. **heaven** [Cas03]. **height** [vNR57].  
**Heims** [Bir83, Dys81, Kev81, Hod81]. **held** [Ame52, Ano51, GIS90]. **helped**  
[Bre04]. **Hempstead** [GIS90]. **Henry** [CFK<sup>+</sup>91]. **Heppenheimer** [CW91].  
**Heredity** [Kay97]. **Heritage** [Emc97, Pet05]. **Herman** [Ran74, Tro76].

**Hermite** [vN29a]. **Hermitian** [vN29a]. **Herrn** [vN31b, vN32g]. **heterogeneous** [ABS11]. **Hidden** [Jam74a, GL01]. **Hidden-Variable** [Jam74a]. **Hide** [DH55]. **High** [BMvN46, CW91, GvN47h, GvN51, Kal13, vN42a, vNG47, vN54c, vN81a, vN51f]. **High-Speed** [vN54c, vN81a, vN51f]. **High-tech** [CW91]. **Hilbert** [vN31b, Fri80, Lac00, Mat03, Mur04, Réd96, vN27d, vN39]. **Hilbertschen** [vN27d, vN31b]. **Hilfssatz** [vN30]. **Hiroshima** [Yor87]. **Historia** [Has10b]. **historian** [Cer00]. **Historical** [Jam74c, Seg85, Car95]. **Histories** [MH11]. **History** [Ano91, CFK<sup>+</sup>91, Dal01, MHR80, Rec07, Ven02, Del95, ET07, Phi88, RW12, RH00, RMK94, Shu84a, Shu85a, Wei92, CFK<sup>+</sup>91, Wei92]. **Hitler** [Mar06]. **Hixon** [Jef51]. **Hofstra** [GIS90]. **Hogyan** [Kov84]. **Homeomorphisms** [UvN47a]. **honor** [Sel92]. **honoring** [DK04]. **honour** [GC97]. **horizontal** [KvNS63]. **House** [Bir97]. **Houtermans** [ABES12]. **Howell** [CLBdB89]. **human** [Von90b]. **hundred** [Bal04, Csá03]. **Hungarian** [Pal87, Ano93, Ano95, Ano03, Bal04, Ben03, Brü87, Csá03, Cze08, Döm03, Érd85, Fil03, Frö93, Gol87b, GW03b, GW03a, Gol03, Gol87c, Göt03, Gyö75, Kov87a, Hal77, Hal03, Has10a, Jék03a, Jék03b, Kar04, Kor86, Kör99, Kov84, Kov87b, Kov89, Kov94, Kov99, Kov03b, Kov03c, Kov03e, Kov03d, Lad93, Lan93a, Lax03, MS73, Mor02, Nag87b, Nag87a, Nag03, Ném84, Ném93, Neu33, Neu64, Neu72, Neu89a, Neu89b, Neu90, Neu03, Neu06, Pal03a, Pal03b, Pet05, Rut03, Sim03, Sip05, Sza03b, Sza03a, Szá03c, Szé78, Sze87, Sze03a, Szé88, Szé03b, Sze83b, Sze83c, Sze97, Sze76, SI<sup>+</sup>79, Var94, Ven03, Von90b, Wig67c, Zád83, Zal03, vN25a]. **Hungarians** [Lan11]. **Hungary** [Wah96, Mac86, Tót93]. **Hurrah** [SvNG89]. **hydrodynamic** [vNR50]. **Hydrodynamical** [BMvN<sup>+</sup>59, vN44b]. **Hydrodynamics** [BFvN<sup>+</sup>44, Lig76, Tau63c, vN45d, PPvNF44, vN44c]. **hypothesis** [vN32c, vN32d].

**IAS** [FS11]. **IAS/von** [FS11]. **IASSim** [FS11]. **IBM** [Ano91]. **ICL** [CFK<sup>+</sup>91]. **Idea** [Wol16]. **ideal** [vN26b]. **idealen** [vN26b]. **Ideas** [CW91, Hor97, IM08, Wol16]. **idee** [IM08]. **Ideology** [Kri95]. **IEEE** [DCH05]. **If** [Pin77]. **IFIP** [BR94]. **Igniting** [Fit99, Fit13]. **ihrer** [vN29c]. **II** [Wig96c, BvN35a, BvN35b, CvN43, GvN51, HvN42, Kad58, Kap95, MvN37, SvN46a, SvN46b, Tau61b, vNH41, vNG48a, vNG48b]. **III** [CvN44a, SvN48a, SvN48b, Tau63a, vN40c, vNG48b, vN61a]. **Illinois** [Har67]. **illustrations** [Kev81, Pan92]. **im** [Has10b, Has10a, Lie11]. **Image** [CFK<sup>+</sup>91]. **images** [GC97]. **Impact** [vN55c, vN56a]. **Impacts** [BR94]. **imperfectly** [vN41a]. **Implementing** [HPR14b]. **important** [Kov03b]. **impossibility** [Car95]. **impossible** [GL01]. **impressions** [Ins12]. **inauguration** [B<sup>+</sup>89]. **inception** [Von90a]. **Incompleteness** [For10, CR03]. **Incompressible** [FvN51, FvN55]. **Independence** [vN62, FKC86]. **Independent** [vN28e, vN51c]. **index** [Kev81]. **Inductance** [vN59a, vN54b]. **Induction** [vN28h, KvN37]. **Induktion** [vN28h]. **Inequalities** [vN37e]. **inequality** [Mir75]. **infinite** [vN38]. **Influence** [Ste80]. **Information**

[CLBdB89, CW91, Kay97, Laf89, Tót93, BR94]. **informatique** [CW91]. **ingénieurs** [Ano96]. **inner** [JvN35]. **Innocence** [CW91]. **innovation** [CW91, HD13]. **Innovators** [Isa14]. **insights** [Rel92]. **inspiration** [Ano97, Hal90]. **Instability** [FvN51, FvN55, vN53d]. **instead** [Réd96]. **Institute** [ABS96, B<sup>+</sup>89, E<sup>+</sup>00, Fro00, GIS90, Lup03, Asp87, Mit80, Reg87]. **Instrument** [BGvN82, GvN47a, BGvN46, GvN47b, GvN47e, GvN47c, GvN47f, GvN47d, GvN47g, vNG48a, vNG48b]. **Integral** [vN35b]. **Integraloperators** [vN35b]. **Integrals** [vNS39, vNS41, vN51a]. **Integration** [vN51c, CFvN50]. **Intel** [JK99]. **intellectual** [FB69]. **Intelligence** [Müh09, MJ09, Wah96, Luc11]. **Interaction** [Hei77, Ula80, Sel92]. **Interdisciplinary** [Hei77, Fro00]. **interfaces** [Ame52]. **intermediate** [vN44a]. **International** [BH89, Réd99, Var88]. **Internet** [Kör99, Rut03]. **interneten** [Rut03]. **Internetig** [Kör99]. **Interpretations** [Jam74c]. **intersection** [vN45c]. **interval** [vN28c]. **Intervalles** [vN28c]. **Interview** [TWA<sup>+</sup>87]. **Introduction** [TWA<sup>+</sup>87, vN33, vN23]. **Introductory** [vN44a]. **intuitionism** [CR03]. **Invariant** [vN36f, vN99]. **inventé** [Ano96]. **Invented** [SW80, Ano96, Smi10]. **Inventing** [Bre04]. **inventor** [Lie11]. **Inventors** [CLBdB89, Nat88]. **Inverting** [GvN47h, GvN51, vNG47]. **Investigation** [Cso04]. **Ioan** [Jon04]. **Irma** [Gri03]. **Irrisolto** [Ven02]. **Irving** [TWA<sup>+</sup>87]. **ISBN** [Ano91, Bow92, Emc02, Jon04, Lup03, Rec07, Twe93]. **isomorphism** [RW12, vN58b]. **Issues** [GC97]. **Italian** [IM95, IG02, IM08, Ven02]. **Iterated** [Kat60]. **Iterating** [Per92]. **IV** [CvN44b, MvN43, Tau62]. **ivory** [Neu89b]. **ix** [Emc02]. **Izbrannye** [vN87].

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**Maschinen** [vN54a]. **mashina** [Tur60b, TvN99]. **masina** [Tur60a]. **Mass**  
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**matematico** [IM95, IM08, IM01]. **matemáticos** [vN49b, vN91c].

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**Mathematician** [Ano57a, Has10a, Bre04, Mon06, Szá03c, Szá11, vN47c].  
**Mathematicians** [Hei77, Jon04, Réd99, Jam02]. **Mathematics**  
 [Dys81, GM04, HB82, Hod81, IG02, IM09a, Kac82, Kah97, Kev81, Mur04, Rec07, Ula80, vN31d, CR03, Del95, Día05, FF91, GGC<sup>+</sup>05, Hei80, Mah11, Phi88, Réd99, RMK94, Stö04, Sto83, vN54e, B<sup>+</sup>89, Mac94]. **Mathematik**  
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 [Cob72, Emc93, HvNN27, Jam74c, Lac00, Mar65, Tau61a, vN27a, vNW28a, vNW28b, vNW28c, vN29b, vN32b, vN32h, vN32i, vN35g, vNH41, vN47b, vN49c, vN55d, vN64, vN67, vN68, vN71a, vN96b, Ben03, Ben72, BvN36, Bre99, ET07, HvN42, Réd96, vN27c, vN49b, vN91c, vN96a, von10].  
**Mechanik** [vN29b, vN32h]. **Mechanik**“ [vN32i]. **mechanischer** [Cso04].  
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**meeting** [PA13]. **meets** [Stö04]. **Még** [Neu89a, Sze97]. **megalapozása**  
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**members** [Mit80]. **memoir** [vNW12]. **memorabilia** [Hal87].  
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**message** [Neu90]. **messbare** [vN32a]. **metal** [Ame52, Ame52].  
**metallurgical** [vN52a]. **Metaphysical** [Pin77]. **meteorológiában** [Göt03].  
**Meteorology** [Dal01, Tau63c, vN47a, Göt03]. **Method**  
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**Methodology** [For10]. **Methods** [RvN85, vN32h, vN32i, vNH41, vN45d, HvN42, Sze83a, Sze87, URvN47, vNR47b]. **Metric** [vNS39, JvN35, vNS41].  
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 [Bla57, DJ13, Gra56, Mor02, Hey47, Shu84a, Shu85a, Shu96a]. **minded**  
 [Sze76]. **Minimally** [vNW40]. **Minimax** [BEMD11, Kje01]. **minimum**  
 [FvN22]. **Minimumpolynome** [FvN22]. **Minkowski** [vN29e].  
**Minkowskischen** [vN29e]. **mint** [Cze08]. **Miracle** [HPR14b]. **Mixtures**  
 [CEE<sup>+</sup>51]. **Model** [vNxxa, Cze08, vN45b]. **Modeling** [Sma83]. **modell**  
 [Cze08]. **Models** [Dal01]. **Modern** [ADS83, Asp90a, Bow92, CW91, Grc11,  
 Grc12, HPR14b, Ham92, Mac92a, Mac92b, Mah93, Pan92, Wil71, Ano91,  
 Asp87, DCG89, Kov03b, Mac72, Mac86, Mac99b, RMK94]. **modified** [LY13].  
**módszere** [Ano93]. **módszerek** [Sze87]. **Modular** [vNH37]. **Molecular**  
 [E<sup>+</sup>00]. **mondo** [IM95, IM08]. **monográfia** [Neu89a]. **monograph** [Neu89a].  
**Monte** [JML13, Dys12a, Eck87, HPR14a]. **Morgenstern**  
 [Ebe67, Hur48, Haw45, K.44, Leo10, Mir92, Rel92]. **Motion** [Ano51, KvN97].  
**Mounier** [CW91]. **Mounier-Kuhn** [CW91]. **Move** [Gra56]. **Mozet**  
 [Tur60a]. **Mozhet** [Tur60b, TvN99]. **Mr.** [vN31b, vN32g]. **MR2609069**  
 [Has10b]. **Ms** [CFK<sup>+</sup>91]. **Much** [Mac92a, Mac92b, Mac99b]. **Müller**  
 [Ano91, CW91]. **Multiple** [Fra05]. **Multiplicity** [vN10, vN51d]. **mundo**  
 [IM01]. **munkássága** [GW03b, GW03a, Kov03c, Sze87, Sze76, SI<sup>+</sup>79]. **My**  
 [CW91, Neu03, vN31b]. **myslit** [Tur60a, Tur60b, TvN99]. **mystery** [Bal04].

**named** [Ano30]. **Nancy** [Asp83]. **Nash** [Ano91]. **National**  
 [Ame52, Ano88, Lan93b, Tod74, Joh86, Lan99]. **natural** [Ake07, Cso04].  
**naturalized** [Sch88]. **nature** [CR03]. **Naturphilosophie** [Cso04]. **near**  
 [KvNS63]. **near-neutral** [KvNS63]. **Negyven** [Sze97]. **Neiman** [Dan90].  
**nem** [Neu89b]. **networks** [ABS11]. **neuen** [vN29b]. **neuerer** [vN54a].

# **Neumann**

[All87, Ano57c, Ano88, Ano91, Ano97, ABS96, Asp83, Bau82, Bir83, Bow92,  
 B<sup>+</sup>89, CLBdB89, CFK<sup>+</sup>91, CW91, Cor11, Cso04, DCH05, Dic03, DK04,  
 Dys81, Ebe67, Emc02, E<sup>+</sup>00, FS11, Fie15, Fro00, GIS90, Ham92, Har67,  
 Has10b, Has10a, Haw45, HB82, HKLS93, Hod81, Hur48, Jon04, K.44, Kev81,  
 LS83, Lig76, Lup03, Mac94, Mah93, MS73, NHN89, OPP58, Pan92, Pou03,  
 Ran74, Rec07, Réd99, Rév83, Sch91, Sze83a, Tót93, Tur60a, Twe93, Wig57,  
 Wig67a, Wig80, Wig96b, Joh86, Ádá83, Ali09, ABS11, Ano57a, Ano57b,  
 Ano57d, Ano57e, Ano75, Ano93, Ano95, Ano96, Ano03, Ara90, Asp80, Asp87,  
 AB87, Asp89a, Asp89b, Asp89c, Asp90a, Asp90b, Bac78, Bac87, Bal12, Bal04,  
 Bar82, Bau82, Bau98, Bec04, BEMD11, Ben03, Ben72, Ber10, Bir58].  
**Neumann** [Bit97, Boc58, Bre99, Bre04, Bri89, BH89, BS04, Bro73b, Bub01,  
 Bur61, CK12, Car95, Cer00, Cin85, CR03, Csá03, Cso04, Cze08, Del95, DD13,  
 Día05, Döm03, DCG89, DJ13, Dya71, Dys12b, Dys13, Eck87, Emc97, Érd85,  
 FS12, FKC86, Fil03, For10, For51, For72a, For72b, Fre13, Fri80, Frö93, FH55,  
 Gal93, GL01, GIS90, GH93, GW57, Gol72, Gol83, Gol87b, Gol93, GW96,  
 GW03b, GW03a, Gol03, Gol87c, Göt03, Grc05, Grc11, Grc12, Gri03, Grz89,  
 Gyö75, Kov87a, Haj59, Hal58, Hal73, Hal77, Hal91, Hal03, Hal04, Hal85,



Hal87, Hal90, Har42, Har89a, Har89b, Has10a, Hei80, Hen03, Hep90, HKLS93, Hor97, How88, IM95, IM01, IG02, IM08, IM09a, IM09b, IM13, Jam02, Jék03a, Jék03b, JML13, Kac82, Kah97, Kap95]. **Neumann** [Kar04, Kat60, KS84, Khr08, Kje01, Knu70, Kor86, Kőr99, Kov84, Kov87b, Kov94, Kov99, Kov03a, Kov03b, Kov03c, Kov03e, Kri95, KT58, Lac00, Lad93, Lan08, Lan93b, Lan99, Lax90, Lax03, Lax05, LS83, Leo06, Leo10, LY13, Lie11, Luc11, Mac92a, Mac92b, Mac94, Mac99a, Mac99b, Mar98, Mar65, Mat03, McC83, MS73, Mir92, Mir75, Mol72, Mon79, Mon06, Mor02, Müh09, Mur04, Nag87b, Nag87a, NAH<sup>+</sup>89, Nag03, Ném84, Neu89a, Neu90, NPP66, OPP88, Pal03a, Pal87, Pal03b, Pel03, Per92, Pet01, Pet05, Pin77, Pou93, Pou03, Ras07, Réd59, Réd96, RS01b, RS01a, Réd01, Réd05, RW12, Rel92, Rév83, Rut03, Sam92, Sch88, Sha58, Shu84b, Shu85b, Shu96b, Sim03, Sip05, Smi59, SW80, Ste80, Stö04, Stö07, Sto83, Str63b, Sza03b, Sza03a, Szá11, Szé78]. **Neumann** [Sze83a, Sze87, Sze03a, Szé88, Szé03b, Sze83b, Sze83c, Sze97, Sze76, SI<sup>+</sup>79, SN57, Tar58, Tar72, Tau60, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c, Tel70, Tel57, Tod74, Tom57, TWA<sup>+</sup>87, Tur60a, Ula58a, Ula58b, UKTS68, UK<sup>+</sup>69, Ula80, Ula82b, Ula82a, Val08, Var94, Veb37, VG55, Ven03, Ven02, Vol06, Von87, Von88, Von89, Von90a, Von91, Von90b, vNW90, Wig67c, Wig96a, WG96, Wil86, Yee82, Zád83, Zal03, Zun02, vH58, vNBV95, vN96c, vN03, vN05, Bir97, God74, Tro76]. **Neumann-legenda** [Hal77, Hal03]. **Neumannig** [Gol87b, Gol03]. **Neumannról** [Frö93, Lad93, Nag87b]. **Neumanns** [Sch91, DH55]. **neutral** [KvNS63]. **Neutron** [RvN85, URvN47, vNR47b]. **Never** [DJ13]. **News** [All54, Axe52]. **next** [Brü87]. **NIC** [E<sup>+</sup>00]. **nine** [Mar06]. **no** [CR03, GL01, Neu89a]. **nobles** [Mac72, Mac86]. **Non** [vN54b, vN59a, DK04, vN58b, vN59b]. **non-commutative** [DK04]. **non-isomorphism** [vN58b]. **Non-Linear** [vN59a, vN54b, vN59b]. **nondegenerate** [Khr08]. **nonlinear** [ABS96]. **Norberg** [CW91]. **Norbert** [Bir83, Dys81, HB82, Hod81, Kev81, Hei80, Kac82, Sto83, vN49a]. **NORC** [vN54c, vN81a]. **Normal** [vN29f, Dya71, FR96, For72a, For72b, Wal96, vN35e]. **normalen** [vN29f]. **Norman** [Bir97]. **Northrop** [vN03]. **notable** [Wol16]. **Note** [Har42]. **Notes** [Ano57c, Axe52, Bur61, vN52b, vN53c, Kev81, vN53b]. **Nothing** [Cer00]. **Novecento** [IM95]. **NP** [Har89a, Har89b]. **Nuclear** [HPR14a, Mac92a, Mac92b, Seg85, Wig96c, Jék03a, Jék03b, Mac99b]. **nukleáris** [Jék03a, Jék03b]. **Null“** [vN31a]. **Nullstellen** [FvN22]. **Number** [Bre08, Gal93, JK99, vN25a, iP13, Réd59]. **Numbers** [vN28e, vN48b, FR96, Fer99, vN23, vN26b]. **Numerical** [BMvN<sup>+</sup>59, CFvN50, Fro00, GvN47h, GvN51, Grc11, Grc12, Sma83, Tau63b, vNG47, vN48a, vN48b, vN48d, Asp89c, Sze83a, Sze87, vN44b, vNR47a, vNR50, vNG53, vN54d]. **numerikus** [Sze87]. **numerischen** [Sze83a]. **nyomában** [Érd85]. **nyomot** [Kőr99].

**O** [Ebe67]. **O.** [vN45d]. **Obituary** [Ano57d, Ano57c]. **Oblique**

[vN43a, vNS43]. **Obscaja** [Tur60a]. **occasion** [B<sup>+</sup>89]. **October** [Ame52]. **odyssey** [Yor87]. **office** [Reg87]. **Oh** [Wei88]. **ökonomisches** [vN37f]. **old** [Sip05]. **One** [vNF46, Bre04, Cas03, vN44c, Bal04, Csá03]. **one-dimensional** [vN44c]. **Online** [Cra98]. **only** [Bre04]. **ontology** [Stö04]. **operation** [Göt03]. **operational** [BvN35c]. **operational-differential** [BvN35c].

### **Operator**

[HvN42, vN31c, vN32h, vN32i, vNH41, ABS96, DK04, vN43b, DK04, Kad58].

**Operatoren** [vN51e, vN29f, vN31c]. **Operatorenmethode** [vN32h, vN32i].

**Operators** [Tau63a, vN28a, vN28d, vN29a, vN29f, vN31e, vN32e, vN32f, vN35b, vNM36, vN39, vN51a, vN51e, DNvN55, Kad58, MvN36, MvN37, MvN43, Mur58, SN57, vN35e, vN36c, vN40c, vN49d, Tau61b]. **opinions** [Frö93, Lad93]. **Oppenheimer** [PC06]. **opportunism** [Stö04]. **optimal** [vN53a]. **optimism** [Stö04]. **Optimum** [DK41, vN41a, vN54d]. **Order** [BMvN46, GvN47h, GvN51, vN42a, vNG47]. **ordinateur** [Ano96].

**Organisms** [vN56b, vN63c]. **Organs** [vN59a]. **Origin** [Gal93]. **Origins** [Ano91, Asp90a, Asp90b, Bow92, CK12, CFK<sup>+</sup>91, CW91, Grc11, Grc12, GM04, Ham92, Mah93, Pan92, Ran82, Asp80, Dys12c, Ran72]. **öröksége** [Pal03b, Pet05]. **orthogonal** [vN51a]. **Ortiz** [vN49c]. **Ortvay** [Gyö75, Gyö75, NHN89]. **Oskar** [Haw45, Hur48, K.44, Rel92]. **összefoglaló** [SI<sup>+</sup>79, Döm03]. **öt** [Har06a]. **Other** [Tau62, For72a, For72b, vN52a]. **our** [Nat88, Ven03]. **Outline** [Hol62]. **output** [iP13]. **Outsider** [HD13]. **overview** [LS83]. **Oxford** [Ran74, Twe93].

**P** [Ano96, Wig67b, WS92, WS03, Har89a, Har89b]. **pages** [Emc02, Pan92].

**Palmer** [Ano91]. **Pantheon** [CK12]. **Paper** [Gol60, vN52a]. **paperback** [Jon04, Twe93]. **Papers**

[Ano75, AB87, Lap96, Ran82, vN96c, Swa76, Wig96c, All87]. **papucsban** [Kor86]. **parabolic** [vNR47a]. **Paradigm** [HPR14b]. **Parallel** [E<sup>+</sup>00].

**Parameter** [vN33]. **Parameters** [vN33]. **Paris** [Ano51]. **Part** [GvN47b, GvN47e, GvN47c, GvN47f, GvN47d, GvN47g, Kad58, Mur58, Wig96c, vNG48a, vNG48b]. **Partial** [Fri80, vN51c, ABS96, vNR47a].

**Pasadena** [Jef51]. **Pascal**

[God74, Ran74, Tro76, Gol72, Gol87b, Gol93, Gol03]. **Pascaltól**

[Gol87b, Gol03]. **Passages** [MS73]. **Passing** [Bla57]. **path** [Döm03]. **Paul**

[Hor97]. **peace** [Yor87]. **Pearcey** [CFK<sup>+</sup>91]. **119.00** [Emc02]. **89.00**

[Emc02]. **von** [FS11]. **Penzias** [CW91]. **people** [Sze76, Wol16]. **Peres** [iP13].

**Perfect** [vN35h]. **Periodic**

[Tau61b, vN34a, BvN35a, BvN35b, vN34b, vNW40]. **permutability**

[DNvN55]. **Perpendicularity** [LvN47]. **Perrolle** [CLBdB89]. **Person**

[vN46b, vN48b, vN53a]. **personal** [vNW90, Wol16]. **Perspective**

[Jam74c, Seg85, vNH37, Car95, vNH40]. **perspectives** [ET07, Wol16]. **Petre**

[CFK<sup>+</sup>91]. **phenomenon** [Pal87]. **philosophical** [GC97, Von90a].

**Philosophy** [Cra98, Jam74c, Cso04, ET07, GC97]. **Photon** [vN53c].

**Photon-Disequilibrium-Amplification** [vN53c]. **Physical**

[Bec04, vN32c, FKC86, vN55c, vN55e]. **physicist** [ABES12, Sze03a, Yor87].  
**physicists** [Har06b]. **Physics** [Cin85, Kah97, Pin77, Ano93, Ara90, ET07, FF91, Jam74b, RS01b, RS01a, Wig96c, Dic03, Emc02, Lup03]. **Pioneer** [Kov94, Smi10]. **Pioneered** [Mac92a, Mac92b, Mac99b]. **Pioneers** [Kov89, Wei88, Nor98]. **Places** [Rei50]. **Planned** [GH93]. **Planning** [GvN47b, GvN47e, GvN47c, GvN47f, GvN47d, GvN47g, vNG48a, vNG48b].  
**platonic** [Cas03]. **Podolsky** [Khr08]. **Point** [Ste74, vN37f, vNxxa, vNxxb, vN41d, vN57a]. **Point-Source** [vNxxa]. **points** [CvN44a]. **poker** [GMvN53]. **polihisztor** [Kov03d]. **polihisztora** [Brü87].  
**Polikarov** [GC97]. **political** [Wei92]. **Politics** [Leo06]. **polymath** [Brü87, Kov03d]. **polynomials** [FvN22]. **pontosságának** [Neu33]. **Popper** [Ven02]. **populations** [vN27b]. **portrait** [Pai00]. **Position** [SW80].  
**postulate** [FKC86]. **postulates** [Khr08]. **Poughkeepsie** [RMK94].  
**Poundstone** [Twe93]. **Power** [CLBdB89]. **Pp** [Bow92, Jon04, Ran74, Twe93, Ano91, Asp83, Kev81, Lup03]. **practical** [Luc11]. **Prediction** [Sma83]. **Preliminary** [BGvN46, BGvN82]. **Presence** [DK41]. **President** [Ano57a]. **Press** [Ano91, Asp83, Bir83, Bow92, Jon04, Kev81, Pan92, Ran74, Twe93, Dys81, Har67]. **price** [Ano91]. **prices** [AFB79].  
**Priest** [Kal13]. **Princeton** [Ran74, Ano30, FS11, Mah11]. **principal** [Swa76].  
**principle** [Kov03b]. **Principles** [GvN63, vNG46, vN81b, vN88, GvN45].  
**Printed** [CW91]. **priority** [Zun02]. **Prisoner** [Pou93, Twe93, Pou03].  
**prisonnier** [Pou03]. **Probabilistic** [vN56b, vN63c, vN27c]. **probabilities** [Har42]. **Probability** [Coo57, vN37b, vN37d, Réd01, vNH81].  
**Probability-Logics** [vN37d]. **probable** [vNK40]. **Problem** [BMvN<sup>+</sup>59, Har89a, Har89b, vN53d, RW12, vN47d, vN53a, vN63a, vN74].  
**Problematic** [Sam92]. **Problems** [vN28d, vN48a, vN48d, vN54c, vN81a, GvN47b, GvN47e, GvN47c, GvN47f, GvN47d, GvN47g, KvN97, Réd99, vN44b, vNG48a, vNG48b, Ano51].  
**Procedure** [Per92]. **Procedures** [Ben72]. **Proceedings** [Ano51, BR94, PA13, RMK94, Var88, GIS90, Wah96]. **Processes** [vNW29a, vN47e, UvN47b]. **processing** [BR94]. **Prodigy** [CFK<sup>+</sup>91].  
**product** [vN44a]. **Production** [Coo57, MWW77]. **products** [JvN35, vN38].  
**Professors** [Veb37, VG55]. **Professorship** [B<sup>+</sup>89]. **Professuren** [B<sup>+</sup>89].  
**Program** [CW91, HPR14c, Knu70, Lac00, Pel99, Sip05]. **programja** [Sip05].  
**Programmable** [FS11]. **Programming** [Bac78, Bac87]. **Programs** [Bac78, Bac87, FS12]. **project** [Sch88, Fit99, Fit13, Lan93b, Lan99, Lan11].  
**projection** [Ben72]. **projective** [TVvN34]. **Prologue** [BH89]. **Proof** [BEMD11, Pin77, vN27d, vN29e, vN32d, von10, Car95, vN31b, vN29b].  
**Properties** [vN42a, vN43b]. **Property** [CLBdB89]. **Proposal** [vN44b].  
**Proposals** [Cin85]. **proposed** [vNF46]. **Prove** [Pin77]. **Providence** [Rec07].  
**proximity** [Fie15]. **Prozessen** [vNW29a]. **Pruefer** [vN26b]. **Prüferschen** [vN26b]. **Pseudo** [Gal93]. **Pseudo-Random** [Gal93]. **pseudorandom** [Wal96]. **Psychology** [Leo06]. **published** [Ano91]. **Publishers** [Emc02, Lup03]. **Pugh** [Ano91]. **Punched** [CW91]. **pupil** [Kov03a]. **pure**

[Día05]. **Puzzle** [Twe93, Pou93, Pou03].

**Quantenmechanik** [vNW28a, vNW28b, vNW28c, vN49c, HvNN27, vN27a, vN27c, vN32b, vN64, vN67, vN68, vN71a, vN96a, vN96b]. **quantenmechanischer** [vN27b]. **quantique** [vN47b]. **Quantistica** [Ven02]. **Quantity** [vN31a]. **Quantization** [ABS96, DK04, ABS96]. **Quantum** [Ano57a, Cob72, Emc97, Emc02, ET07, HvNN27, Jam74c, Lac00, Mar65, Pin77, Tau61a, Ven02, vN27a, vNW28a, vNW28b, vNW28c, vN32b, vN35g, vN37d, vN47b, vN49c, vN55d, vN64, vN67, vN68, vN71a, vN96b, Ara90, Ben03, Ben72, BvN36, Bre99, Bub01, DJ13, Fro00, Jam74b, JvNW34, Lup03, Nag03, Réd96, RS01b, RS01a, Réd01, Val08, WvN54, vH58, vN27b, vN27c, vN36d, vN49b, vN91c, vN96a, von10]. **quantum-mechanical** [vN27b]. **Quantumness** [Ali09]. **Quasi** [GM04, vN32d]. **Quasi-Concavity** [GM04]. **quasi-ergodic** [vN32d]. **Queries** [SW80]. **Question** [vN29d, Zun02]. **Questions** [vN28h]. **Qui** [Ano96].

**R** [Ano91, CW91, vN49c]. **R.** [vN49c]. **Radio** [Ano95]. **Rádióbeszélgetés** [Ano95]. **Random** [Bir97, Bre08, For51, Gal93, JK99, Per92, vNU45, ABS11, CvN42, CvN43, CvN44a, CvN44b, FR96, Fer99, For72a, For72b, Mon79, iP13, vN51b, vN63d]. **Randomness** [Bar82]. **Rank** [Bar82]. **Rapid** [vN47a]. **rate** [iP13]. **Ratio** [Bar82, Har42, vN41b, vN42b]. **Rational** [Coo57, Sel92]. **Rátz** [Kov03a]. **Raumes** [vN51e]. **Ray** [vN35g]. **Ray-Representations** [vN35g]. **Readings** [BN71]. **Ready** [Fra05]. **Real** [GMvN59]. **Reality** [IG02, Hor97]. **Realtà** [IG02]. **Reason** [KMM95, CR03]. **Received** [Ano57a]. **receives** [DCH05]. **reception** [Asp87]. **Rechenmaschine** [vN60b, vN65, vN70, vN80, vN86, vN91b]. **Rechentechniker** [Sze83a]. **Rechner** [Rév83]. **Recollections** [Sma83, WS92, WS03]. **Reconsidered** [Bri89]. **Reconsidering** [HPR14c]. **Redei** [Lup03, Dic03, Emc02, Rec07]. **Reduction** [vN49d]. **Reed** [TWA<sup>+</sup>87]. **Reexamined** [Grz89]. **Reflection** [vN43a, vNS43, vN45c]. **Reflections** [For10, Gol87a, Wig67b]. **Refraction** [vN45c]. **Refugee** [Seg85]. **regard** [RW12]. **regular** [Tel70, vN36e]. **Reid** [CLBdB89]. **reinterpretation** [Mol72]. **reject** [CR03]. **Rejection** [Grz89]. **rejtély** [Bal04]. **Related** [TWA<sup>+</sup>87, vN28h]. **Relation** [LvN47]. **Relativistic** [vN35f, vNxxb]. **relativity** [TVvN34]. **Reliable** [vN56b, vN63c]. **remark** [vN42b, vN52a]. **Remarkable** [Jam02, Jon04]. **Remarks** [vN28f, vN44a, vN31b]. **Remembering** [BS04, CK13, Lax90]. **Reply** [Hen03]. **Report** [Asp83, Ebe67, McC83, vN45a, vN48a, vN48d, vN82, vN93b, Ano88, JC87, SW80]. **Reporter** [Gol87c, Nag87b]. **Repräsentanten** [vN31a]. **Representation** [vN39]. **Representations** [Kay97, vN29c, vN31a, vN35g, SvN50, vN27e]. **representative** [vNS35]. **Reproducing** [Bur61, Har67, vNB66, Vol06, vN71b]. **Research** [E<sup>+</sup>00, GIS90, Mac94, Ake07, Ano88, B<sup>+</sup>89, JC87, B<sup>+</sup>89]. **residual** [vNS35]. **responsibility** [Neu90]. **Review**

[All87, Asp83, Bir83, Bir97, Bow92, CK12, Cor11, Dic03, Dys81, Emc02, God74, Hal85, Ham92, Har67, Haw45, HB82, Hod81, Hur48, Jon04, K.44, Kev81, Lup03, Mah93, Pan92, Ran74, Rec07, Sto83, Tau60, Tro76, Twe93, vN49a].  
**Reviews** [Ano91, CLBdB89, CFK<sup>+</sup>91, CW91, Kac82]. **Revolution** [Isa14].  
**Rhetoric** [Kri95, KMM95]. **RI** [Rec07]. **Richtmyer** [HKLS93]. **Riemann** [vN44c]. **Riesz** [Fil03]. **rigid** [KvN97]. **Rings** [Tau63a, vNM36, MvN36, MvN37, MvN43, Tel70, vN36c, vN36e, vN37c, vN40c, vN43b, vN49d, vN58b].  
**Riporter** [Gol87c, Nag87b]. **rise** [Ake07]. **Road** [Lax05, Lax03]. **Robots** [CFK<sup>+</sup>91]. **róla** [Neu89a]. **Role** [Gol83, SW80, vN47a, Khr08, vN54e].  
**Rombauer** [Gri03]. **Rose** [CW91]. **Rosen** [CW91, Khr08]. **Roundup** [All54]. **routes** [HD13]. **Routledge** [Cra98]. **Rudolfhoz** [Gyö75]. **Rudolt** [Gyö75]. **Rule** [vN66]. **Russian** [TvN99, vN64, vN71b, vN87].

's [DJ13, Bre08, CK13, Gri03, Sch91, TWA<sup>+</sup>87, vN52a, BMvN46].  
**samovosproizvodyashchihsya** [vN71b]. **sampling** [For72a, For72b]. **Satz** [vN32g]. **Sätze** [vN32a]. **Sätzes** [vN29e]. **Scale** [GvN63, vNG46, vN81b, vN88, GvN45]. **Scheme** [HKLS93, vN53c]. **schemes** [LY13]. **Scheutz** [Ano91, CW91]. **Schmidt** [Bau98]. **scholars** [Ins12, Mit80].  
**School** [Mur04, Ném93]. **Schrödinger** [vN31c]. **Schrödingerschen** [vN31c].  
**Science** [Ano88, ADS83, Asp89b, JC87, For10, Fro00, IM09b, KMM95, Lap96, Ano97, Asp80, Fie15, GC97, Leo10, Pai00, Pal87, Sze83b, vN56a, Har06b, Cor11].  
**sciences** [vN54e, vN55c, vN55e, Tót93]. **Scientific** [Ano91, ADS83, Asp89a, Cob72, GW96, IM09a, Mac92a, Mac92b, MWW77, NAH<sup>+</sup>89, Ras07, WG96, Cas03, Cze08, GC97, GW57, Mac99b, Pet05, Wig67b, Wig96c, GW03a].  
**scientist** [IM95, IM01, Neu89b]. **Scientists** [Seg85, Ake07, HD13, Neu90, Rob12]. **scienziato** [IM95]. **Scriptural** [Kay97]. **Sec.** [vN44a]. **Second** [vN48d]. **Secret** [Nag87a]. **Seek** [DH55].  
**seen** [Von87, Von91]. **sein** [Sze83a]. **Selected** [Ran82, Rec07, Lan08, Réd05, vN05, MS73, vN87]. **Self** [Bur61, Har67, vNB66, DNvN55, Vol06, vN71b]. **self-adjoint** [DNvN55].  
**Self-Reproducing** [Bur61, Har67, vNB66, Vol06, vN71b]. **Semi** [vNxxb].  
**Semi-Relativistic** [vNxxb]. **seminar** [Ame52, Veb37, VG55].  
**Seminumerical** [Knu97]. **semisimple** [SvN50]. **Senate** [vN46a]. **separated** [CvN44a]. **September** [B<sup>+</sup>89, BR94, Réd99, Jef51]. **Sequence** [vN62].  
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**siglo** [IM01]. **Significance** [WvN54]. **SILLIAC** [Gre10]. **Simpler** [BEMD11]. **simulating** [Dya71]. **simulation** [KvN97]. **Simulations** [HPR14a]. **since** [Cer00]. **sincs** [Neu89a]. **Single** [Mur58]. **Sitter** [vN40a].

**sixty** [Sip05]. **sixty-year-old** [Sip05]. **Slave** [CFK<sup>+</sup>91]. **slippers** [Kor86].  
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 [Rec07, T6t93, vN54e]. **Solution**  
 [BMvN46, BMvN<sup>+</sup>59, vN59b, vNxxb, vN41d, vNR47a, vN57a]. **Solutions**  
 [BvN50, vN35h, vN46b, vN10, BvN35c, vN51d]. **Solvers** [JML13]. **Some**  
 [Ara90, Bre08, GvN47h, vNW28a, vNW28b, vNW28c, vN37e, vN46b, KvN37,  
 Wol16, vN43b, vN28f, vN32a]. **Son** [CFK<sup>+</sup>91]. **Source**  
 [vNxxa, vNxxb, vH67, vN41d, vN57a]. **Soviet** [Gol84]. **Space**  
 [Fri80, SvN46a, SvN48a, vN37e, vN39, vN40a, SvN46b, SvN48b, Réd96].  
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**Spectrum** [Jon04]. **Speed** [vN54c, vN81a, CvN42, CvN43, vN51f]. **Speeded**  
 [Ano57a]. **Spektraltheorie** [vN51e]. **Spektren**  
 [vNW28a, vNW28b, vNW28c]. **Spektrums** [vN35b]. **Sphere** [UvN47a].  
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 [vNM61, vNM67a, vNM73]. **Spin** [vN28f, vNW28a, vNW28b, vNW28c].  
**spinning** [vN44a]. **Spinoza** [Cso04]. **Spinozas** [Cso04, Cso04]. **spiral**  
 [KvNS63]. **spirit** [Sze83c]. **Splitting** [vN28c]. **sponsored** [Ame52]. **Springs**  
 [ADS83]. **square** [Har42, vN41b, vNKBH41, vN42b]. **ssége** [Neu90]. **St**  
 [vN31b]. **Stability** [GvN47h, KvNS63]. **Stan** [Eck87]. **Star**  
 [vNxxb, CvN44b]. **Stars** [vN35f, CvN42, CvN43, CvN44a, CvN44b]. **Started**  
 [LR67]. **Statement** [vN46a]. **statements** [Bre99]. **States** [vN66, Cob72].  
**Static** [vN35h, KvNS63]. **stationary** [vN48c]. **Statistical**  
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 [Ano91]. **Stern** [Asp83]. **Steve** [Bir83, Dys81, Hod81, Kev81]. **Stochastic**  
 [vN47e, CvN44b, UvN47b]. **Stoltzner** [Lup03, Emc02]. **Stölnzner** [Dic03].  
**Stone** [DK04, vN32g]. **Stonebraker** [DCH05]. **Stored**  
 [CW91, HPR14c, Pel99]. **Stored-Program** [HPR14c, Pel99]. **Storico**  
 [Ven02]. **Strategies** [vN48b]. **Strategy** [vN28i, Bar59, vN54d]. **Strict**  
 [vN37d]. **Strict-** [vN37d]. **structure** [vN27c]. **Structures** [BN71]. **Student**  
 [Ném84]. **Studies** [Phi88, SM56]. **Study**  
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**Style** [Bac78, Bac87]. **subject** [KvN97]. **subsets** [vN28c]. **successive**  
 [Har42, vNK40, vN41b, vNKBH41, vN42b]. **successor** [KS84]. **Sum**  
 [vN48b, vN53a]. **Summary** [For51, Döm03, LS83]. **Summer** [GIS90].  
**Summit** [CFK<sup>+</sup>91]. **Sun** [CW91]. **Sunburst** [CW91]. **Super** [vNF46].  
**Supercomputer** [Ano88, Joh86]. **Supersonic** [CF48]. **Superworkstations**  
 [SvNG89]. **Supplement** [Ano57e, Wei92]. **Surface** [UvN47a]. **sürü** [vN25a].  
**survey** [Hal85, Her88, Her95]. **survive** [vN55a]. **Switching** [vN59a, vN54b].  
**Switzerland** [Ano97]. **Sydney** [Gre10]. **Symmetric**

[Coo57, GMvN59, vN28a, vN28d, vN46b]. **Symmetries** [Wig67b].  
**symmetrischer** [vN28a, vN28d]. **Symposium**  
 [Ano51, ABS96, BH89, RMK94, Jef51]. **Synthesis** [vN56b, vN63c]. **System**  
 [vN28e, vN37f, vN66]. **Systematic** [DK41]. **Systems**  
 [BMvN46, Hol62, vN51c, KvN32, KvN97, RW12, Ano91]. **szakvélemény**  
 [Frö93, Lad93]. **szamitastechnikaban** [Kov89]. **számítástechnikához**  
 [Lax03]. **számítógép** [Gol87b, Gol03, Gol87c, Kov03b, Sze83b, Sze76].  
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**'számítógépek** [Kov84]. **számítógépet** [Sze03a]. **szamologep**  
 [Neu64, Neu72, Neu06]. **számlológépr** [Érd85]. **számsorozatok** [vN25a].  
**Szanton** [WS92, WS03]. **Száz** [Csá03, Bal04]. **század** [Brü87]. **századon**  
 [Kör99]. **Szeged** [Sza03a, Sza03a]. **szellem** [Sze83c]. **Szemelvények** [MS73].  
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**született** [Ano93, Bal04, Csá03, Kov03b, Szé78, Zád83].

**T** [CEE<sup>+</sup>51]. **tables** [Kev81]. **Tabulation** [Har42]. **Tales** [CW91]. **talking**  
 [Yor87]. **Tall** [vN13]. **tanárai** [Kov03e]. **target** [vN41a]. **társadalmi** [Neu90].  
**Taylor** [CW91, FvN51, FvN55, vN53d]. **teacher** [Kov03a]. **teachers**  
 [Kov03e]. **tech** [CW91]. **Technical** [CFK<sup>+</sup>91]. **technician** [Sze83a].  
**Technique** [Grz89]. **Techniques** [For51, vN51b, vN63d]. **technologie**  
 [CW91]. **Technologies** [Dys81, HB82, Hod81, Kac82, Kev81, Hei80, Sto83].  
**Technology** [ABS96, CW91, Kov89, Tót93, vN55a, CFK<sup>+</sup>91, Ran74].  
**Teilmengen** [vN28c]. **Teller** [Hor97, Lan93b, Lan99]. **temperature**  
 [KvNS63]. **teorija** [Tur60a]. **Teoriya** [vN71b]. **területén** [Sze87]. **Test**  
 [Bar82]. **Testimony** [vN57b]. **Tests** [Ali09]. **testvérek** [Fil03].  
**testvéremrol** [Neu03]. **testvéröccs** [Neu89a]. **text** [CFK<sup>+</sup>91]. **Their**  
 [IM13, vN29c, Hor97, Kör99, Lan93a, vN37c]. **Theodore** [Hor97]. **Theorem**  
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 Tau61a, Tau61b, Tau63b, Tur60a, Twe93, vN27d, vN28a, vN28b, vN28h,  
 vN28f, vN28i, vN28g, vN29a, vN29f, vN29g, vN29h, vN29d, vN29i, vN41c,  
 vN42c, vN43c, vN44a, vNM44, vNM47, vN51e, vNM53a, vNM53b, vNM64,  
 vNB66, vNM67b, vNM70, vNM74, vNM80, vN96d, vNM04, vNM07, Bar59,  
 Bir58, Bub01, Del95, DJ13, Haj59, Hal58, KT58, Leo10, Mac99b, Mat03,  
 Mol72, Nag03, PA13, Pou93, Pou03, Réd59, Sha58, SN57, Tar72, Val08,  
 Wei92, WvN54, vH58, vN25b, vN26b, vN27e, vN31b, vN37a, vN48c, vN49d,  
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**v** [Cso04, Lie11, Sch91, Tau63b]. **Validation** [Cin85]. **Validity** [Bit97].



**Value** [vN48b, AFB79]. **values** [MRvN50]. **Variable** [Jam74a]. **Variables** [vN51c, GL01, Mon79]. **variance** [Har42, vN41b, vN42b]. **variants** [GMvN53]. **variates** [Wal96]. **variation** [CvN44b]. **Variational** [vN45d]. **Variations** [vN30]. **Variationsrechnung** [vN30]. **Varied** [Lan89]. **Various** [For51, vN51b, vN63d]. **Vassar** [RMK94]. **Veblen** [Veb37, VG55, vN45d]. **Verallgemeinerung** [vN37f]. **Vergleich** [Lie11, Sch91]. **Verhalten** [vNW29a, vNM61, vNM67a, vNM73]. **Verleihung** [B<sup>+</sup>89]. **Version** [Bar82, Bru07]. **versus** [DJ13]. **verwandte** [vN28h]. **Very** [vN13]. **Vezer** [Kor86, Kor86]. **vezeto** [Lax03]. **VI** [Tau63c]. **via** [HKLS93]. **viele** [vN28c]. **Vienna** [Lup03]. **view** [Cso04, vNW90]. **Viewed** [Kem55]. **világformáló** [Har06a]. **világhíríg** [Ném93]. **vision** [Luc11]. **vita** [IM08]. **Vol** [GvN47b, GvN47e, GvN47c, GvN47f, GvN47d, GvN47g, Wig96c, vNG48a, vNG48b, Rec07, vN51a]. **volt** [Kov99, Pal87]. **Volume** [BR94, Wei92, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c]. **vom** [vN31a]. **vonásai** [Von90b]. **vorticity** [CFvN50]. **Vorträge** [B<sup>+</sup>89].

**W** [Ano91, Ham92, Har67]. **Wahrscheinlichkeitstheoretischer** [vN27c]. **Walk** [Dys13]. **Wallace** [Bre08]. **war** [vN55b, Ake07, Bre04]. **Was** [CFK<sup>+</sup>91, Bre04, Kov99, Pal87, Szé78, Zád83]. **Watson** [CFK<sup>+</sup>91]. **Wave** [ABS96, BFH<sup>+</sup>47, GvN55]. **Waves** [BFvN<sup>+</sup>44, CF48, PPvNF44, vN42c, vNS43, vN43c, vN44c, vN45c, vN48c]. **Way** [Hep90, CW91]. **Weapon** [Fit99, Fit13]. **weapons** [Jék03a, Jék03b, Yor87]. **Weather** [Sma83]. **Were** [Mir92]. **Werk** [LS83, Sze83a, Bau82]. **Wesley** [Ano91]. **West** [CW91]. **Western** [GGC<sup>+</sup>05]. **Where** [Lan93b, Lan99]. **Who** [Ano57a, Gra56, Mac92a, Mac92b, Reg87, SW80, Har06b, Kör99, Mac99b, Mar06, Smi10, Ano96, Kov99]. **Wichita** [Gol84]. **Widerspruchfreiheitsfrage** [vN29d]. **Wiener** [Dys81, HB82, Hod81, Kev81, vN49a, Cin85, Hei80, Kac82, Sto83, Bir83]. **Wigner** [Frö93, Hor97, Lad93, Lan93b, Lan99, Wig67b, WS92, Wig96c, WS03]. **Wignerrol** [Frö93, Lad93]. **Wilhelm** [Has10a]. **Wilhelms** [Has10b, Has10a]. **will** [Ano30]. **William** [All87, Mah93, Ano91, Bow92, Pan92, Twe93]. **Wilson** [Stö04]. **win** [Bre04]. **wind** [vNT45]. **winners** [Fie15]. **wirtschaftliches** [vNM61, vNM67a, vNM73]. **without** [Ben72]. **Work** [Bau82, GW96, LS83, WG96, vN29i, vN32i, Asp89c, GW57, GW03b, GW03a, Haj59, KT58, Réd59, Sze83a, Sze87, Sze76, SN57, Tar58, Yee82, vN31b]. **Works** [Kov03c, LR67, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c, Ano57e, Hey47, SI<sup>+</sup>79, Wig96c, vN87]. **Workshop** [E<sup>+</sup>00, Fro00, E<sup>+</sup>00]. **World** [BR94, Cor11, Gra56, IM09b, Ake07, FF91, IM95, IM01, IM08, Mar06, McC01, Nat88, Ném93, CW91]. **writings** [GGC<sup>+</sup>05]. **Wrote** [Ano57a]. **Wuppertal** [Fro00].

**X** [Twe93, Asp83]. **xi** [Twe93]. **xii** [Ran74, vN44a]. **XIII** [vN44a]. **xiv** [Jon04]. **xix** [Kev81]. **xvii** [Bow92]. **XX** [IM01].

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**Zahlen** [vN23, vN26b, vN28e]. **Zahlenfolgen** [vN25a]. **Zerlegung** [vN28c]. **Zero** [vN31a, vN48b, vN53a]. **Zero-Sum** [vN48b, vN53a]. **zeros** [FvN22]. **Zseni** [Kov03d, Ano03, Kar04]. **Zum** [vN29e, vN34c]. **Zur** [vN31b, B<sup>+</sup>89, vN28f, vN29i, vN32i, vN23, vN26b, vN27d, vN27e, vNW28a, vNW28b, vNW28c, vN28i, vN29f, vN29g, vN29h, vN32h]. **zusammenfassender** [LS83]. **Zusatz** [vN29i]. **Zusätze** [vN32i]. **Zuse** [Lie11, Lie11].

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